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AGRICULTURAL COLLEGE EXTENSION

List of Books for the Farmer's Library

Compiled by the Extension Service, College of
Agriculture

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Second Edition, 1916



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Numerous requests are received by this College for the names of books on agriculture and allied lines, and to answer these more completely than is feasible by letter, this list has been prepared. It does not assume to be complete and books omitted are not to be considered inferior to those included.

In arranging these references, the plan has been to give the title of the publication, followed by the name of the author, the keyword for the publisher, and the retail price. A comprehensive index will be found on page 22 and a list of publishers with key words and addresses on pages 20 and 21.

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LIST OF BOOKS FOR THE FARMER'S LIBRARY

In addition to the books listed in these pages, the following organizations issue publications or supply information upon request along the lines indicated:

The College of Agriculture, and the Agricultural Experiment Station of the University of Illinois, Urbana:

Bulletins, reporting investigations.

Circulars, giving general or specific stock information on various phases of agriculture.

Soil Reports, describing by counties the soils, their distribution, treatment, and possibilities, with maps and illustrations.

Extension publications, designed especially for secondary schools, country-life clubs, etc.

The State Laboratory of Natural History, Urbana.

The State Entomologist, Urbana.

The State Geological Survey, Urbana.

The State Water Survey, Urbana.

The Illinois Farmers' Institute, Springfield. Weekly and special bulletins. Annual report.

The State Board of Agriculture, Springfield. Statistical reports on crops and live stock. Reports on fertilizers (fertilizer inspection is under its jurisdiction). State Fair premium list.

The State Board of Health, Springfield. "Illinois Health News" (monthly). Special bulletins on contagious diseases, care of the baby, etc.

The State Food Commission, 1627 Manhattan Building, Chicago. Circulars on the care, use and contamination of food, etc. This board inspects food, its preparation, distribution, and care.

The United States Government, Washington, D. C., publishes documents covering an enormous range. Most of those interesting to

farmers are issued by the Department of Agriculture, Washington. To learn about these, write the Division of Publications, Department of Agriculture, asking for the monthly list, and also the list of Farmers' Bulletins.

The Superintendent of Documents, Washington, receives a supply of each document published for distribution, which he sells at about cost.

The Year Book of Agriculture, published by the Department of Agriculture, comes out in June of the year following its date. Apply to your Congressman for this. It contains many interesting articles and lists, including the names, locations, and directors of the State Experiment Stations. Every five years a general index for the five preceding volumes is published.

The Smithsonian Institution, and the United States National Museum, both in Washington, issue publications on many subjects. Ask for their lists.

The United States Bureau of Education, Washington, issues a monthly list of educational publications, and also special bulletins of interest mainly to teachers.

The United States Department of Labor, Children's Bureau, Washington, issues valuable bulletins for mothers and teachers.

The Illinois Library Extension Commission, State House, Springfield, lends books to individuals, clubs, or other organizations on payment of transportation and drayage charges, for three to six months. They have twenty-five and fifty-volume libraries for school and general use; also collections for rural communities on farming, home economics, and so forth, such as the books listed in this pamphlet. Write them for detailed information.

AGRICULTURAL EXTENSION

THE COUNTRY LIFE MOVEMENT.—Bailey. Macmillan. \$1.25. This book deals with the problems of country and village life and their solution. It has nothing to do with the back-to-the-land movement. 220 pp.

CHAPTERS IN RURAL PROGRESS.—Butterfield. U. of C. \$1.00. An extensive study of rural social problems by an expert. 250 pp.

CONSTRUCTIVE RURAL SOCIOLOGY.—Gillette. Sturgis. \$1.60. Discusses rural problems and the solutions offered; the advantages and disadvantages of farm life, social and otherwise; improvement in the business side of farming; drift to cities and so forth. Gives much attention to improving social conditions through clubs and associations. 300 pp.

SOCIAL ACTIVITIES FOR MEN AND BOYS.—Chesley. Association. \$1.00. A fine collection embracing receptions, banquets, games and stunts, outings and camps, amateur entertainments, holiday programs, songs and yells, clubs, and so forth. Also a description of the Boy Scouts and the Seton Indians, with rules. 300 pp. Ill.

NEIGHBORHOOD ENTERTAINMENTS.—Stern. Sturgis. 75 cents. A valuable work for those interested in developing sociability in village and country, with suggestions for conducting social clubs. 290 pp.

COUNTRY LIFE AND THE COUNTRY SCHOOL.—Carney. Row. \$1.00. For farmers and teachers. Considers the school the chief factor in making rural life satisfying and efficient, and discusses all phases of the question. Includes an excellent bibliography and list of supply houses. 400 pp. Ill.

FARM BOYS AND GIRLS.—McKeever. Macmillan. \$1.50. An excellent handbook for parents and teachers in the country as well as for the boys and girls themselves. 320 pp.

RURAL LIFE AND EDUCATION.—Cubberly. Houghton. \$1.50. Especially useful for rural school teachers who wish to render the best service to their communities. 360 pp.

AMONG COUNTRY SCHOOLS.—Kern. Ginn. \$1.25. Records the development of rural schools in Winnebago County along vocational lines, and the beautifying of school and home grounds. Ill.

BETTER RURAL SCHOOLS.—Betts & Hall. Bobbs. \$1.50. Discusses consolidated and township high schools, enlarging the school unit, methods of increasing financial support and the introduction of vocational education into the schools. 510 pp.

EDUCATION FOR EFFICIENCY.—Davenport. Heath. \$1.00. Discusses vocational education as the means of making rural lives efficient; the introduction of agriculture into the various schools, with a strong plea for the union of literary, vocational, and industrial education in the same organization. 180 pp.

THE TRAINING OF FARMERS.—Bailey. Century. \$1.00. Discusses the place of the farmer in American development, his possibilities and obligations, and the development of farming as an active, efficient business. 260 pp.

ONE WAY OUT.—Carleton. Small. \$1.20. A fascinating story of how a man who had come to the top of his earning power in clerical lines "emigrated" and found a large and interesting as well as profitable field for his endeavor. 330 pp.

NEW LIVES FOR OLD.—Carleton. Small. \$1.00. A continuation of "One Way Out." Describes the rejuvenation of a stagnant and decrepit

New England community whereby it became alive and progressive to the great advantage of its inhabitants. 220 pp.

THE COUNTRY CHURCH AND THE RURAL PROBLEM.—Butterfield. U. of C. \$1.00. Excellent analysis of the situation, showing relation of the church to the whole rural problem. 150 pp.

SOLVING THE COUNTRY CHURCH PROBLEM.—Bricker & Others. Jennings. \$1.25. One of the most comprehensive books on the subject that has appeared. 290 pp.

MAKING HOME PROFITABLE.—Saint-Maur. Sturgis. \$1.00. How a woman took a small farm near a large city and made it pay. Full of good suggestions along many lines for farming small tracts with limited capital. 230 pp. Ill.

AGRICULTURE.—Benson & Betts. Bobbs. \$1.25. A guide for the study of practical agriculture, with a large amount of valuable information for boys' and girls' club work. Sections on crops, horticulture, soils, animals, and economics, with chapters on individual lines or special groups, are followed by suggestions for investigations, club work contests and so forth. 460 pp. Ill.

GARDEN AND FARM ALMANAC.—Seymour. Doubleday. 25 cents. Issued annually and giving besides the almanac a great variety of information, measurement of hay stacks, best breeds of farm animals with descriptions and illustrations, and addresses of breed associations, agricultural statistics for all states, legal weights, book lists, animal and plant score cards, tables of plant diseases and treatments, amounts of seed to sow, etc. 190 pp. Ill.

HANDY FARM DEVICES AND HOW TO MAKE THEM.—Cobleigh. Orange Judd. \$1.50. A great many good suggestions about making useful and time-saving apparatus for the farm, shop, house, and for the handling of crops more conveniently. Plans are given for houses and barns, greenhouse construction; use of concrete. 280 pp. Ill.

HANDBOOK OF COMPOSITION.—Woolley. Heath. 70 cents. A very highly commended compendium of rules regarding good English, grammar, sentence structure, paragraphing, manuscript arrangement, punctuation, spelling, essay writing, and letter writing. 240 pp.

THE WRITER'S DESK BOOK.—Orcutt. Stokes. 60 cents. A pocket size volume of references on punctuation, capitalization, spelling, division of words, spacing, letter writing, etc. 180 pp.

HOW TO SPEAK IN PUBLIC.—Klieser. Funk. \$1.25. A discussion of the elements of voice production and use is followed by a section on mental training; one on previous preparation and its value, the actual preparation and delivery of an address. Numerous examples are given throughout the book, and at the close about seventy practice selections. 9th ed. 540 pp.

ENGLISH SYNONYMS, ANTONYMS, AND PREPOSITIONS.—Fernald. Funk. \$1.50. A handy book for those who wish to use English accurately. Each word is either defined or used in such a way that the exact shade of meaning is plain, and a phrase is given showing the correct use of a suitable preposition. Excellent index. 560 pp.

HOW TO GET A POSITION AND HOW TO KEEP IT.—Hall. Funk. 50 cents. Discusses choice of occupation, the use of advertisements, letters and personal interviews, and gives special hints for various classes of applicants. 140 pp.

See also Rural Economics, Education and Sociology, page 19.

AGRONOMY

CROPS

THE CEREALS IN AMERICA.—Hunt. Orange Judd. \$1.75. An excellent work on the principal cereal crops. Many references to experiment station literature are given, also information regarding climatic and soil adaptation, cultural methods, insect enemies, fungous diseases, harvesting, use and marketing. 450 pp. Ill.

THE FORAGE AND FIBER CROPS IN AMERICA.—Hunt. Orange Judd. \$1.75. This complements the previous book. The two cover the principal farm crops of the country, and form a very valuable reference work. 420 pp. Ill.

FIELD CROPS.—Wilson & Warburton. Webb. \$1.50. Adapted especially for elementary instruction in high schools or in secondary agricultural schools. 540 pp. Ill.

FORAGE CROPS.—Voorhees. Macmillan. \$1.50. Gives brief and practical suggestions for growing and using of forage crops in connection with soiling, silage, hay and pasture. A useful table of composition of various forage crops is included.

HOW CROPS GROW.—Johnson. Orange Judd. \$1.50. This has been a standard work ever since the original edition in 1868, on matters pertaining to chemical composition, structure, organization, and uses of plants. Careful revisions have kept it an authority. 410 pp. Ill.

ALFALFA IN AMERICA.—Wing. Sanders. \$2.00. Written in popular vein. A reliable account of the writer's experience with alfalfa, with much valuable information concerning the growing and handling. 520 pp. Ill.

THE BOOK OF ALFALFA.—Coburn. Orange Judd. \$2.00. The history and culture, together with its uses as a forage and manuring crop. The merits are set forth in a conservative, sensible manner. 330 pp. Ill.

CORN.—Bowman & Crossley. Waterloo. \$2.00. Devoted entirely to the subject of Indian corn, including the growing, judging, breeding, feeding and marketing of corn. 3rd ed. 1915. 500 pp. Ill. 11 colored plates.

THE CORN CROPS.—Montgomery. Macmillan. \$1.60. Discusses production, distribution, botanical relations, physiology, environmental relations, cultural methods and breeding. Sorghums and broom corn are also considered. 340 pp. Ill.

DISEASES OF ECONOMIC PLANTS.—Stevens & Hall. Macmillan. \$2.00. Designed for those who wish to recognize and treat plant diseases without a long study of their causes. It deals with the prominent characters of the most destructive diseases of the United States, caused by bacteria and fungi. 510 pp. Ill.

WEEDS OF THE FARM AND GARDEN.—Pammel. Orange Judd. \$1.00. A general discussion of weeds, their injurious effect, and their uses. Methods of propagation are described. Special attention is given to contamination of agricultural seeds by weed seeds, including laws for protection and general methods of eradication. Botanical descriptions and illustrations of important species are given. 300 pp. Ill.

SOILS

THE STORY OF THE SOIL.—Hopkins. Gorham. \$1.00. The fundamental principles of soil conservation and improvement have been

woven into fiction in an interesting manner. The narrative contains a store-house of valuable information. 5th ed. 360 pp. Ill.

THE FARM THAT WON'T WEAR OUT.—Dr. C. G. Hopkins, Author and Publisher, Champaign, Ill. Paper 15 cents; cloth 30 cents. Full of information of vital importance to American farmers on the subject of soil improvement.

SOIL FERTILITY AND PERMANENT AGRICULTURE.—Hopkins. Ginn. \$2.25. An authority on the subject of soil improvement. Of inestimable value to all who are actually engaged in farming, as well as to teachers of agriculture. It is especially satisfactory on account of the large amount of data upon which the deductions are based. The author carefully explains the processes by which the land may be brought to its greatest economic productivity. 660 pp. Ill.

SOILS.—Hilgard. Macmillan. \$4.00. A comprehensive and interesting discussion of soil origin, soil physics, soil chemistry and alkali soils. 590 pp.

FARM MANURE.—Thorne. Orange Judd. \$1.50. An excellent treatise upon the production, management and uses of manures produced upon the farm. 1913. 240 pp. Ill.

PRINCIPLES OF SOIL MANAGEMENT.—Lyon & Fippin. Macmillan. \$1.75. The information pertaining to soil management from the physical standpoint is especially good; well adapted for use as a text book. 530 pp. Ill.

THE SOIL.—King. Macmillan. \$1.50. A popular book on soils, their origin, physical properties and management, for the general reader. 13th reprint. 300 pp.

PHYSICS OF AGRICULTURE.—King. King. \$1.75. More complete and a little more technical than the above. Discusses the origin, chemical nature, physical properties and management of soils. Also treats of farm buildings, drainage, roads, farm power machinery, and gives two chapters on weather. Well arranged for reference. 6th ed.

SOIL MANAGEMENT.—King. Orange Judd. \$1.50. In simple language easily understood by the general reader. 1914. 300 pp. Ill.

MANUAL OF AGRICULTURE.—Barto. Heath. 50 cents. Outlines a year's course in soils and crops for high schools, with plans for field tests. The best college manuals have been drawn upon for suggestions and material. 40 pp.

FIRST PRINCIPLES OF SOIL FERTILITY.—Vivian. Orange Judd. \$1.00. Well suited for those who desire an introductory book. Discusses soil exhaustion and its meaning, sources of plant food, replenishing the supply, manuring, draining and so forth. 260 pp.

FARM MECHANICS: BUILDINGS, MACHINERY, ETC.

FARM BUILDINGS.—Pup. Sanders. \$2.00. A compilation of a great number of plans of all kinds of farm buildings, other than residences. 350 pp. Ill.

FARM STRUCTURES.—Ekblaw. Macmillan. \$1.75. A practical treatise describing building materials, methods of construction, and estimating and typical plans of common farm buildings, including residences. Special chapter on heat, light and water supply. 340 pp. Ill.

FARM MACHINERY AND FARM MOTORS.—Davidson & Chase. Orange Judd. \$2.00. Describes various types of the most common field

implements, their uses, advantages and disadvantages; practical suggestions on operation, care of farm machinery, steam and gasoline engines, and the farm power plant. 520 pp. Ill.

POWER AND THE PLOW.—Ellis & Rumely. Doubleday. \$1.50. A popular discussion of farm power. Carefully compares tractors and horses, for plowing. Probably the best text published on the subject. 1911. 310 pp. Ill.

INSTRUCTIONS FOR STATIONARY AND TRACTION ENGINEERS.—Boss. Specialty. \$1.25. A good book on steam engines, construction, care and use. Some good tables, directions for belt lacing, soldering and babbitting, are included. 8th ed. 310 pp. Ill.

FARM GAS ENGINES.—Hirshfeld & Ulbricht. Macmillan. \$1.50. A popular discussion, especially good for the farmer who is considering the purchase of a gasoline or kerosene engine. 230 pp. Ill.

THE MODERN GASOLINE AUTOMOBILE.—Page. Henley. \$2.50. A full, up-to-date treatment of the modern gasoline automobile, taking up the various parts and giving full directions on operation and care, in simple but accurate terms. Intended for the operator who wishes to begin at the start and master his work thoroughly. 690 pp. Ill.

MOTOR CAR PRINCIPLES.—Whitman. Appleton. \$1.50. A good treatment of the elementary principles underlying automobile operation and care. Intended chiefly for the beginner. 330 pp. Ill.

SELF-PROPELLED VEHICLES.—Homans. Audel. \$2.00. A good treatment of the subject, being better adapted to those who already have some knowledge of the subject. 660 pp. Ill.

ROADS, PATHS AND BRIDGES.—Page. Sturgis. 75 cents. Best book on roads for farmers. Explains service of the U. S. Office of Public Roads. Gives essential information on road-making and care.

THE SCIENCE OF SUCCESSFUL THRESHING.—Dingee-MacGregor. Case. Free on application to the Case Co. Intended to help owners and operators of Case machinery to become more familiar with the construction and operation of their engines and separators. The broad way in which the material is handled renders the book valuable to any operator. An excellent discussion of the functions and common troubles of separator and engine. 250 pp. Ill.

THRESHERS' GUIDE.—Am. Thresh. 2 Vols. 25 cents each. Vol. I discusses types of steam, gasoline, and kerosene tractors. A great deal of valuable information in compact form. 120 pp. Ill. Vol. II a comprehensive work on the types, operation, and troubles of grain separators, with a history of threshing machinery, and a discussion of costs of threshing and other work. 130 pp. Ill.

CEMENT AND CONCRETE.—Sabin. McGraw. \$5.00. The most complete and practical information on concrete is included in this volume, designed especially for American engineers. 2nd ed., revised and enlarged. 570 pp. Ill.

BULLETINS ON FARM CONCRETE CONSTRUCTION.—From Universal Portland Cement Co., Chicago, from Atlas Portland Cement Co., New York, and U. S. Dept. Agriculture, etc.

PRACTICAL FARM DRAINAGE.—Elliot. Wiley. \$1.40. Practical information for the farmer and contract tiler; valuable reference data for drainage engineers. 2nd ed. Rewritten. 190 pp. Ill.

BULLETINS.—From Agricultural Experiment Stations: Wisconsin, (Madison) 229. The Right Drain for the Right Place. New York, Cor-

nell (Ithaca) 254. Drainage in New York. Michigan, (East Lansing) Special 56. Tile Drainage. U. S. Dept. Agr. (Washington) Farmers' Bulletin 54. Tile Drainage on the Farm. Illinois Farmers' Institute (Springfield) Circular 7. Principles and Practices of Land Drainage.

ANIMAL HUSBANDRY

GENERAL

THE STUDY OF BREEDS.—Shaw. Orange Judd. \$1.50. A college text book, and an authority for farmers and breeders. 380 pp. 53 plates.

TYPES AND BREEDS OF FARM ANIMALS.—Plumb. Ginn. \$2.00. A comprehensive book on the history of breeds. Discusses their characteristics and adaptabilities. 560 pp. Ill.

JUDGING LIVE STOCK.—Craig. Kenyon. \$1.50. A helpful book for breeders and students wishing to familiarize themselves with modern methods of stock judging. 16th ed. 250 pp. Ill.

SHORTHORN CATTLE.—Sanders. Sanders. \$2.00. A history of the breed from the earliest period down to the end of the century. Valuable to beginners and of great interest to breeders. New ed. 900 pp. Ill.

THE STORY OF THE HEREFORDS.—Sanders. Sanders. \$2.00. A companion volume to Shorthorn Cattle, but a better book, and strictly up-to-date. Has much interesting collateral matter. 1914. 1080 pp. Ill.

BEEF PRODUCTION.—Herbert W. Mumford, Author and Publisher, Urbana, Illinois. \$1.50. The feeding and breeding of beef cattle for market is presented clearly and concisely from the feeder's standpoint. Authoritative and accurate. Its teachings will materially aid in making cattle feeding profitable. 200 pp. Ill.

HORSES

THE HORSE BOOK.—Johnstone. Sanders. \$2.00. An up-to-date practical treatise on the American horse breeding industry from its inception to the present. 290 pp. Ill.

THE HORSE.—Roberts. Macmillan. \$1.25. All breeds and grades are discussed. It tells how to breed, train, feed and care for them. 400 pp. Ill.

PRODUCTIVE HORSE HUSBANDRY.—Gay. Lippincott. \$1.50. Thoroughly up-to-date and useful to student and farmer. Discusses conformation, types, breeds, principles of breeding, and the horse in service. 330 pp. Ill.

POULTRY

PRODUCTIVE POULTRY HUSBANDRY.—Lewis. Lippincott. \$1.75. Thoroughly reliable and accurate. An excellent textbook, sufficiently popular for any reader. Second ed. 1914. 530 pp. Ill.

POULTRY PRODUCTION.—Lippincott. Lea. \$1.75. An interesting book, either for the class room or farmer's library. 1914. 470 pp. Ill.

PRINCIPLES AND PRACTICE OF POULTRY CULTURE.—Robinson. Ginn. \$2.00. Index and full poultry bibliography. Thoroughly reliable, up-to-date and adapted to farmers' use. 590 pp. Ill.

POULTRY BREEDING.—Purvis. Sanders. \$1.50. Popular in style, interesting, up-to-date and thoroughly reliable. 320 pp. Ill.

THE POULTRY BOOK.—By Several Expert Breeders. Doubleday. \$7.50. The most elaborate and complete book on poultry that has been produced; scientific in treatment, yet popular in its style. 1310 pp. Ill.

SHEEP

SHEEP FARMING IN AMERICA.—Wing. Sanders. \$1.00. The handling of sheep on the farm and range is discussed in Mr. Wing's usual entertaining style. Third ed. 360 pp. Ill.

THE WINTER LAMB.—THE DORSET EWE IN AMERICA.—H. H. Miller, Jos. E. Wing and H. P. Miller. Sanders. 50 cents. The best book on the subject of lambing in winter or fall. While written especially of Dorsets is useful and applicable to other breeds. 70 pp.

MODERN SHEEP; BREEDS AND MANAGEMENT.—"Shepherd Boy" (W. J. Clarke). Am. Sheep. \$1.50. Covers the history of the various breeds and the successful management of sheep under farm and range conditions. There are chapters on fitting for show, raising "hot house" or spring lambs, dressing for market, pasture, forage crops, etc., and practically all the common diseases are treated at some length. 350 pp. Ill.

SHEEP MANAGEMENT.—Frank Kleinheinz, Author and Publisher, Madison, Wis. \$1.50. A useful handbook, full of suggestions for ordinary flock management. 240 pp. Ill.

MANAGEMENT OF SHEEP ON THE FARM.—Bur. Animal Indus. Bul. 20 U. S. Dept. Agr.

DOMESTIC BREEDS OF SHEEP IN AMERICA.—Dept. Bul. 94 U. S. Dept. Agr.

BREEDS OF SHEEP FOR THE FARM.—Farmer's Bul. 576 U. S. Dept. Agr.

SWINE

SWINE HUSBANDRY.—Coburn. Orange Judd. \$2.50. Shows the magnitude and importance of the swine industry of the commercial world, takes up all the standard breeds in detail, and treats concisely of their origin and history. Chapters on breeding, feeding, management, fattening, slaughtering, curing and preserving, are followed by much interesting matter bearing on the causes, symptoms, prevention and cure of disease, based upon the studies and experience of our best veterinarians and breeders. Frontispiece of superposed colored plates, showing all parts of the body in natural colors and in their relative positions. New ed. 650 pp. Ill.

PRODUCTIVE SWINE HUSBANDRY.—Gay. Lippincott. \$1.50. Goes into many details of much value to the practical man. 330 pp. Ill.

FORTY YEARS' EXPERIENCE OF A PRACTICAL HOG MAN.—Lovejoy. Frost. \$1.25. Discusses all phases of the business, including shows and sales, advertising, shipping, meat curing and buildings. 170 pp. Ill.

BREEDING OF ANIMALS AND PLANTS

PRINCIPLES OF BREEDING.—Davenport. Ginn. \$2.50. A discussion of the causes of variation in animals and plants, the transmission of modifications, the meaning of type, the manner of heredity, and the power of selection to modify type, followed by a discussion of some of the practical problems confronting the breeder. 720 pp. Ill.

DOMESTICATED ANIMALS AND PLANTS.—Davenport. Ginn. \$1.25. A less technical and more informational volume than the preceding, writ-

ten in response to many calls. Discusses the origin and development of domestic animals and plants with special methods of improvement, Mendel's Law, and so forth. Interesting to any family. 320 pp. Ill.

ORIGIN OF SPECIES.—Darwin. To be had in many editions and at various prices. This old book printed in 1859, is the first announcement of the theory of natural selection and is today the best single exponent of the theory of Darwinism, or evolution by means of selection. It is not a modern book on evolution, much less on breeding, but every student of breeding should read this book which, more than any other single volume, will give the reader the principal facts in evolution of races.

A TEXT BOOK OF HEREDITY.—Castle. Appleton. \$1.50. Discusses transmission of characters from parents to offspring and of the role which selection plays in the modification of such characters. Ill.

MENDELISM.—Punnett. Macmillan. \$1.25. Excellent elementary work. Discusses the mechanism of the transmission of characters. 3rd ed. Ill.

PLANT BREEDING.—DeVries. Open Court. \$1.50. A simple treatment of the subject of plant breeding. 360 pp. Ill.

EVOLUTION OF OUR NATIVE FRUITS.—Bailey. Macmillan. \$2.00. Discusses the origin and development of commercial varieties of fruit from American native stock. 470 pp. Ill.

PLANT BREEDING.—Bailey & Gilbert. Macmillan. \$2.00. Discusses variation in plants, how varieties originate, introducing modern views concerning the principles of heredity in plants. A good bibliography on plant breeding from 1905 to the present continues that published in Bailey's Plant Breeding. 1915. (Revision of Bailey.) 470 pp. Ill.

THE PRINCIPLES OF STOCK BREEDING.—Wilson. Vinton. \$2.25. Treats the subject in the light of the more recent biological discoveries, interestingly and conservatively. The relation of animal breeding to known laws of the transmission of characters is clearly discussed.

EVOLUTION OF BRITISH CATTLE AND FASHIONING OF BREEDS.—Wilson. Vinton. \$3.00. Reliable, scientific and interesting.

BREEDING FARM ANIMALS.—Marshall. Sanders. \$1.50. Assembles in simple form some of the practical and scientific phases of breeding, especially for those more interested in practical breeding than in the underlying sciences. 280 pp. Ill.

FEEDING OF ANIMALS

FEEDS AND FEEDING.—Henry and Morrison, Henry. \$2.25. The best thing of its kind. Contains elaborate and up-to-date tables giving the average composition of American feeding-stuffs, their digestible nutrients and fertilizing constituents, feeding standards for farm animals and a glossary of scientific terms. An excellent index and system of cross references greatly enhances its value and convenience. 1915. 15th ed. entirely rewritten. 700pp.

THE FEEDING OF ANIMALS.—Jordan. Macmillan. \$1.25. Not a book of fixed rules and formulae, but a presentation of man's relation to animal life and the conditions and problems involved in the feeding of animals. 5th ed. 450 pp. Ill.

PROFITABLE STOCK FEEDING.—Smith. Uni. Pub. Co. \$1.50. Discusses most profitable types for feeding and breeding, particular methods for different animals and purposes, also composition and feeding value of foodstuffs. 11th ed. 1914. 400 pp. Ill.

PRODUCTIVE FEEDING OF FARM ANIMALS.—Woll. Lippincott. \$1.50. A concise discussion of the main principles of feeding and of feeding stuffs for practical farmers and for agricultural students. 1915. 360 pp. Ill.

SOILING CROPS AND THE SILO.—Shaw. Orange Judd. \$1.50. Considers available crops, silo construction, use of silage. Contains much valuable information. 360 pp. Ill.

HANDBOOK FOR FARMERS AND DAIRYMEN.—Woll. Wiley. \$1.50. Discusses feeding stuffs, farm animals, veterinary science, field crops, dairy cows, milk and milk products, creamery management. Useful tables and an Agricultural Directory. 6th ed. 500 pp. Ill.

DISEASES OF ANIMALS

FARMERS' VETERINARY ADVISER.—James Law, Author and Publisher, Ithaca, N. Y. \$3.00. A guide to the prevention and treatment of diseases in domestic animals. 610 pp. Ill.

DISEASES OF HORSES AND CATTLE.—D. McIntosh, Author and Publisher, Champaign, Ill. \$1.75. Written expressly for the farmer, stockman and agricultural student, and gives treatment of all diseases. 390 pp.

CATTLE AND THEIR DISEASES.—Murray. Jenkins. \$2.00. An excellent work for the stock owner, and of much value to the veterinary practitioner.

THE DISEASES OF ANIMALS.—Mayo. Macmillan. \$1.50. Gives advice on the diseases and ailments of farm animals in a brief and popular manner. Will enable those who have the care of animals to detect indications of disease and to make timely application of the necessary remedies. Lameness in the horse is discussed in all its phases. 8th ed. 450 pp. Ill.

DISEASES OF SWINE.—D. McIntosh, Author and Publisher, Champaign, Ill. \$2.00. Written expressly for the farmer, stockman and agricultural student, and gives treatment of diseases of swine.

DAIRY HUSBANDRY

GENERAL

THE FARM DAIRY.—Gurler. Sanders. \$1.00. Covers whole field: building up, care, feeding, and housing of herd; care of milk, cream separation and buttermaking. Rev. ed. 160 pp. Ill.

THE BUSINESS OF DAIRYING.—Lane. Orange Judd. \$1.25. Discusses production of crops on the dairy farm, soiling, feeding, discussion of breeds, business methods. 300 pp. Ill.

DAIRY CATTLE AND MILK PRODUCTION.—Eckles. Macmillan. \$1.60. Describes the breeds and their qualifications, milk production and care, from farmers' and city standpoint; milk houses and calf raising. Best general book on the production side. 340 pp. Ill.

PRODUCTION AND HANDLING OF CLEAN MILK.—Winslow, Jenkins. \$3.25. Germs in relation to milk; composition of dairy products; housing dairy cattle; producing and distributing clean milk; milk inspection; bacterial analysis of milk. 2nd ed. 360 pp. Ill.

CLEAN MILK.—Belcher. Orange Judd. \$1.00. Location and construction of barns; manure; keeping cows clean; milking; bottling. 140 pp. Ill.

AGRICULTURAL BACTERIOLOGY.—Conn. Blakiston. \$2.00. Best general book. In popular style. Takes up bacteria of the soil, of dairy products, and those producing disease. Revised. 330 pp. Ill.

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